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|-------|------|---------------------------------------|---|------------------|---------|------------------|
| L1 | 24 | biginteger | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/09/16 13:38 |
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| L7 | 7 | emulat\$ near large with instruction | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/09/16 13:49 |
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| L9 | 48 | arbitrary with precision with integer | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/09/16 13:58 |
| L10 | 40 | 717/135[ccor] | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/09/16 13:59 |
| L11 | 170 | 717/106[ccor] | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/09/16 13:59 |

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| L12 | 130 | 703/26[ccor] | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/09/16 13:59 |
| S1 | 1 | 6311149[pn] | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/09/14 09:34 |
| S2 | 1 | 6427196[pn] | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/09/14 09:34 |
| S3 | 1 | 6606704[pn] | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/09/14 09:38 |
| S5 | 1 | 09/760509 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/09/14 09:40 |
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| S13 | 25 | ("20020049957" "6233723" "5828581" "20010018758" "5666289" "6066179" "5892678" "6120549" "5513119" "6477683" "6505341" "20030005396" "5553002" "6366874" "6044211" "5258919" "5220512" "6324678" "6236956" "6132109 5963724" "5852564" "6106568" "6219822" "512871" "5506788" "6457164")[pn] | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/09/14 17:02 |

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| S14 | 24 | ("20020042904" "6449762" "6378115" "6272671" "6260179" "5889677" "6298468" "6477689" "6480985" "6519755" "6152612" "200200232356" "6053947" "6135647" "20030016246" "20030016206" "6233540" "6487698" "6311309" "20020166100" "5629857" "20020046386" "6401230" "5933356" "6205573")[pn] | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/09/14 17:03 |
| S17 | 27 | ("re38059" "4703435" "4970664" "5212650" "5267175" "5278769" "5287289" "5297053" "5301318" "5384710" "5475605" "5493507" "5544067" "5568397" "5598347" "5603015" "5604894" "5663662" "5676198" "5685006" "5694579" "5706476" "5717928" "5724250" "575655" "5809283" "5831869")[pn] | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/09/14 17:16 |
| S18 | 27 | ("5841663" "5892682" "5903469" "5937190" "5974242" "6077304" "6161511" "6178541" "6208954" "6216256" "6226780" "6234658" "6275973" "6292931" "6327693" "6353803" "6353915" "6360356" "6421816" "6438729" "6438731" "6440780" "6473885" "6477688" "6490545" "6505328" "6516456")[pn] | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/09/14 17:16 |
| S19 | 13 | ("6519742" "6523156" "6539536" "6546528" "6574787" "6591407" "20020038447" "20020059054" "20020112221" "20020138244" "20030004699" "20030036871" "20030177455")[pn] | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/09/14 17:18 |
| S20 | 116 | S13 S14 S17 S18 S19 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/09/15 12:43 |
| S21 | 1 | 10/057193 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/09/16 12:57 |



arbitrary precision integer

- 2001

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BigNum: a portable and efficient package for **arbitrary-precision** arithmetic

BP Serpette, J Vuillemin, JC Herve - 1989 - digital.com

... All rights reserved. ii Page 3. Abstract We describe aC package for

arbitrary-precision integer arithmetic that is portable, yet efficient. ...Cited by 21 - [View as HTML](#) - [Web Search](#) - [digital.com](#) - [Library Search](#)Algorithms for **arbitrary precision** floating point arithmeticDM Priest - Proceedings of the 10th Symposium on Computer Arithmetic, 1991 - [ieeexplore.ieee.org](#)... dirty tricks such as accessing a floating point number as though it were an **integer**value, nor ... We view **arbitrary precision** arithmetic in the following context. ...Cited by 62 - [Web Search](#) - [www-2.cs.cmu.edu](#) - [cs.cmu.edu](#) - [cs.cmu.edu](#) - [all 5 versions »](#)A Fortran Multiple-Precision ArithmeticRP BRENT - ACM Transactions on Mathematical Software, 1978 - [portal.acm.org](#)... numbers; (8) **integer** and fractional parts of mp numbers; (9) routines for error ... Infact, it would be useful to have **arbitrary-precision** subroutines for all the ...Cited by 103 - [Web Search](#) - [comlab.ox.ac.uk](#) - [csa.com](#) - [all 7 versions »](#) - [Library Search](#)Object-Oriented Multi-Methods in CecilC Chambers - ECOOP, 1992 - [cse.ohio-state.edu](#)... $y@bigInt \{ \uparrow asBigInt(x) + y \}$ -- support mixed-representation arithmetic $asBigInt(x@smallInt) \{ -- code to create an **arbitrary-precision integer** from a fixed ...$ Cited by 161 - [View as HTML](#) - [Web Search](#) - [laputan.org](#) - [cs.cmu.edu](#) - [cs.colorado.edu](#) - [all 13 versions »](#)Adaptive **Precision** Floating-Point Arithmetic and Fast Robust Geometric PredicatesJR Shewchuk - 1996 - [springerlink.com](#)... to use floating-point arithmetic to perform extended-**precision integer** calculations. ...Most **arbitrary precision** libraries store numbers in a multiple-digit format ...Cited by 107 - [Web Search](#) - [gila-fw.bioengr.uic.edu](#) - [cs.cmu.edu](#) - [all 10 versions »](#) - [Library Search](#)Robust Adaptive Floating-Point Geometric PredicatesJR Shewchuk - Symposium on Computational Geometry, 1996 - [portal.acm.org](#)... test on points having 24-bit **integer** coordinates. ... 53-bit double **precision** significandsmake ... Rather than use a general-purpose **arbitrary precision** library, they ...Cited by 74 - [Web Search](#) - [portal.acm.org](#)Exact Geometric Computation in LEDA.

C Burnikel, J Koenemann, K Mehlhorn, S Naeher, S ... - Symposium on Computational Geometry, 1995 -

[portal.acm.org](#)... **integer** is a real and reals are closed under the ... approximation of x of sufficient**precision** to decide the ... evaluate real expressions with **arbitrary precision**. ...Cited by 44 - [Web Search](#) - [portal.acm.org](#)[PS] MP: A Protocol for Efficient Exchange of Mathematical ExpressionsS Gray, N Kajler, PS Wang - ISSAC, 1994 - [ensmp.fr](#)... Data type Encoding **arbitrary precision integer** 0 **arbitrary precision** real 8 machine**precision integer** (signed) 16 machine **precision integer** (unsigned) 17 ...Cited by 40 - [View as HTML](#) - [Web Search](#) - [portal.acm.org](#) - [portal.acm.org](#)Static analysis yields efficient exact **integer** arithmetic for computational geometry

Ş Fortune, CJ Van Wyk - ACM Transactions on Graphics, 1996 - portal.acm.org

... provides **arbitrary-precision integer** arithmetic. More recently, attention ...

arbitrary-precision integer (see Section 3.1) and a variation of adaptive ...

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Hardware speedups in long **integer** multiplication

M Shand, P Bertin, J Vuillemin - ACM SIGARCH Computer Architecture News, 1991 - portal.acm.org

... such as Mapple, Macsyma, Arithmetica, ...) which need to include at

run-time automatic **arbitrary precision integer** arithmetic. ...

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arbitrary precision integer

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